

WHAT IS CLAIMED IS:

1. A motor comprising:  
a casing made of a magnetic material for housing a rotor and a coil  
wherein side surfaces of said casing have openings;  
said openings being closed by said magnetic plates that are thinner  
than the thickness of the material of said casing.
2. The motor as set forth in Claim 1 wherein said openings are  
provided at least on facing side surfaces of said casing.
3. The motor as set forth in Claim 1 wherein said magnetic plates  
are made of permalloy.
4. The motor as set forth in Claim 1 wherein said magnetic plates  
are provided with an extended portion and a spring for transmitting a force in  
the motor axial direction wherein said extended portion extends from a side  
surface of the casing and is bent along the bottom until it reaches the end of  
the rotor's rotary shaft of the rotor, said spring being made by cutting and  
raising a part of the extended portion.